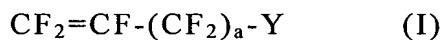


**AMENDMENTS TO THE CLAIMS**

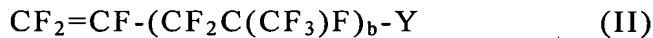
**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

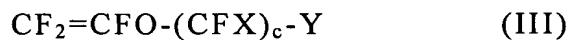
1. (original): A tetrafluoroethylene polymer aqueous dispersion obtained by carrying out a tetrafluoroethylene polymerization in an aqueous medium in the presence of a fluorovinyl group-containing emulsifier, wherein said tetrafluoroethylene polymer aqueous dispersion contains a particle comprising a tetrafluoroethylene polymer dispersed in said aqueous medium, said fluorovinyl group-containing emulsifier comprises a fluorovinyl group-containing compound (I) represented by the general formula (I):



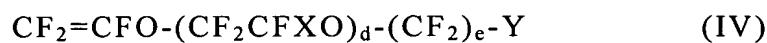
wherein a represents an integer of 1 to 10 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal, a fluorovinyl group-containing compound (II) represented by the general formula (II):



wherein b represents an integer of 1 to 5 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal, a fluorovinyl group-containing compound (III) represented by the general formula (III):

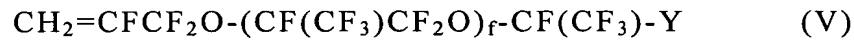


wherein X represents F or -CF<sub>3</sub>, c represents an integer of 1 to 10 and Y represents -SO<sub>3</sub>M or -COOM in which M represents H, NH<sub>4</sub> or an alkali metal, a fluorovinyl group-containing compound (IV) represented by the general formula (IV):



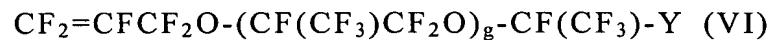
wherein X represents F or -CF<sub>3</sub>, d represents an integer of 1 to 10, e represents an integer of 1 to 3 and Y represents -SO<sub>3</sub>M or -COOM in which M represents H, NH<sub>4</sub> or an alkali metal,

a fluorovinyl group-containing compound (V) represented by the general formula (V):



wherein f represents an integer of 0 to 10 and Y represents -SO<sub>3</sub>M or -COOM in which M represents H, NH<sub>4</sub> or an alkali metal, and/or

a fluorovinyl group-containing compound (VI) represented by the general formula (VI):



wherein g represents an integer of 1 to 10 and Y represents -SO<sub>3</sub>M or -COOM in which M represents H, NH<sub>4</sub> or an alkali metal,

said tetrafluoroethylene polymer aqueous dispersion has a fluorine-containing surfactant content of not higher than 1000 ppm by mass.

2. (original): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, wherein the tetrafluoroethylene polymer has a tetrafluoroethylene unit content exceeding 40 mole percent.

3. (currently amended): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1-~~or 2~~, wherein the tetrafluoroethylene polymer is a perfluoro-based polymer.

4. (currently amended): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, ~~2-3~~, wherein the tetrafluoroethylene polymerization is carried out in the absence of any non-byproduct fluorine-containing surfactant.

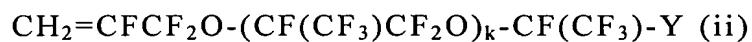
5. (currently amended): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, ~~2, 3 or 4~~, wherein the fluorovinyl group-containing emulsifier comprises the fluorovinyl group-containing compound (I), the fluorovinyl group-containing compound (III), the fluorovinyl group-containing compound (IV) and/or the fluorovinyl group-containing compound (V).

6. (original): The tetrafluoroethylene polymer aqueous dispersion according to Claim 5, wherein the fluorovinyl group-containing emulsifier comprises a

fluorovinyl group-containing compound (i) represented by the general formula (i):



wherein h represents an integer of 0 or 1, i represents an integer of 0 to 2, j represents an integer of 1 to 3 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal, and/or a fluorovinyl group-containing compound (ii) represented by the general formula (ii):



wherein k represents an integer of 0 to 3 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal.

7. (currently amended): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, ~~2, 3, 4, 5 or 6~~, which has a solid matter concentration of 5 to 70% by mass.

8. (currently amended): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, ~~2, 3, 4, 5, 6 or 7~~, wherein the particle comprising the tetrafluoroethylene polymer has an average primary particle diameter of 50 to 500 nm.

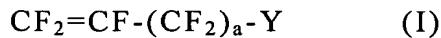
9. (currently amended): A tetrafluoroethylene polymer powder which is obtained by coagulating the tetrafluoroethylene polymer aqueous dispersion according to ~~Claim 1, 2, 3, 4, 5, 6, 7 or 8.~~

10. (currently amended): A tetrafluoroethylene polymer molding which is obtained by molding/processing using the tetrafluoroethylene polymer aqueous dispersion according to ~~Claim 1, 2, 3, 4, 5, 6, 7 or 8 or the tetrafluoroethylene polymer powder according to Claim 9.~~

11. (original): A method of producing a tetrafluoroethylene polymer aqueous dispersion by carrying out a tetrafluoroethylene polymerization in an aqueous medium in the presence of a fluorovinyl group-containing emulsifier, wherein said tetrafluoroethylene polymer aqueous dispersion contains a particle comprising a tetrafluoroethylene polymer dispersed in said aqueous medium and has a fluorine-containing surfactant content of not higher than 1000 ppm by mass,

said fluorovinyl group-containing emulsifier is added in an amount of 0.00001 to 2% by mass relative to said aqueous medium, and

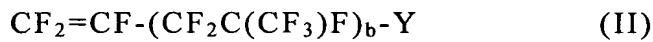
said fluorovinyl group-containing emulsifier comprises a fluorovinyl group-containing compound (I) represented by the general formula (I):



wherein a represents an integer of 1 to 10 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$

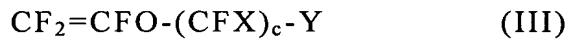
in which M represents H,  $\text{NH}_4$  or an alkali metal,

a fluorovinyl group-containing compound (II) represented by the general formula (II):



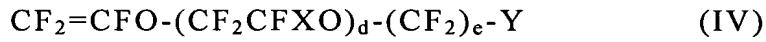
wherein b represents an integer of 1 to 5 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal,

a fluorovinyl group-containing compound (III) represented by the general formula (III):



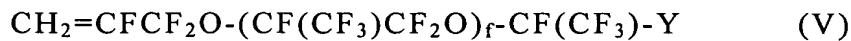
wherein X represents F or  $-\text{CF}_3$ , c represents an integer of 1 to 10 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal,

a fluorovinyl group-containing compound (IV) represented by the general formula (IV):



wherein X represents F or  $-\text{CF}_3$ , d represents an integer of 1 to 10, e represents an integer of 1 to 3 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal,

a fluorovinyl group-containing compound (V) represented by the general formula (V):



wherein f represents an integer of 0 to 10 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal, and/or a fluorovinyl group-containing compound (VI) represented by the general formula (VI):



wherein g represents an integer of 1 to 10 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal.

12. (original): The method of producing a tetrafluoroethylene polymer aqueous dispersion according to Claim 11, wherein the addition of the fluorovinyl group-containing emulsifier is carried out in the manner of a supplementary addition with the progress of a tetrafluoroethylene polymerization reaction.